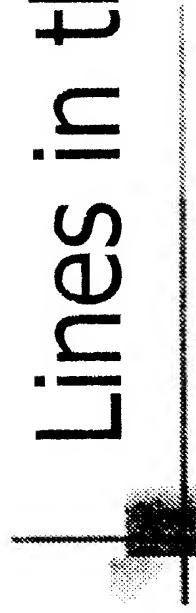


Lines in the Feature



These three lines were created, one exactly alongside the defect edge. The dimensions for the lines starting from left are:

- 1.H 15 nm W 162 nm T 6 min
- 2.H 10 nm W 150 nm T 5 min
- 3.H 5 nm W 138 nm T 4 min

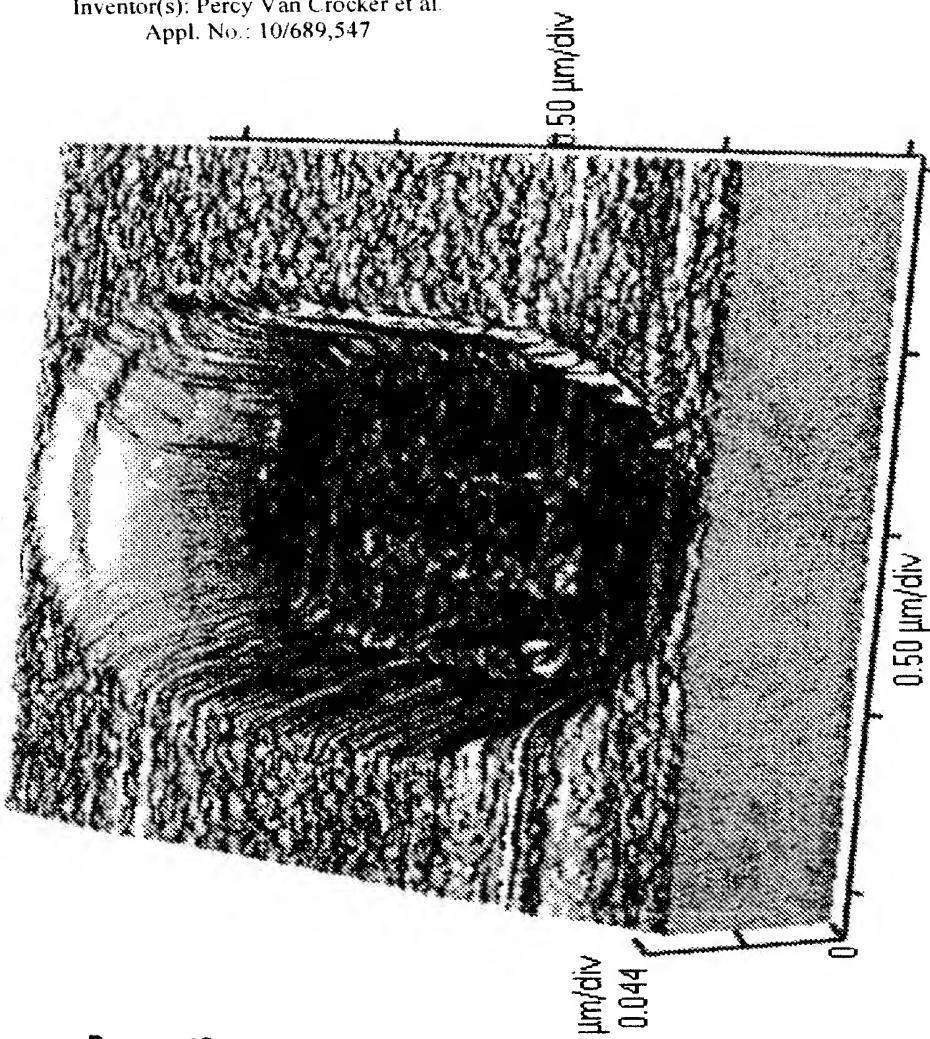


Figure 19

Sol-Gel in Features by FIBICS

Replacement Sheet
Inventor(s): Percy Van Crocker et al.
Appl. No.: 10/689,547

An attempt to fill up a hole in features made with FIB. The average height of the feature deposited is 46 nm. A SiN_3 tip was used in this experiment.

Sol-Gel composition same as mentioned before. Dwelling time was 14 min. The deposited structure were cured at 120°C for 6 min.

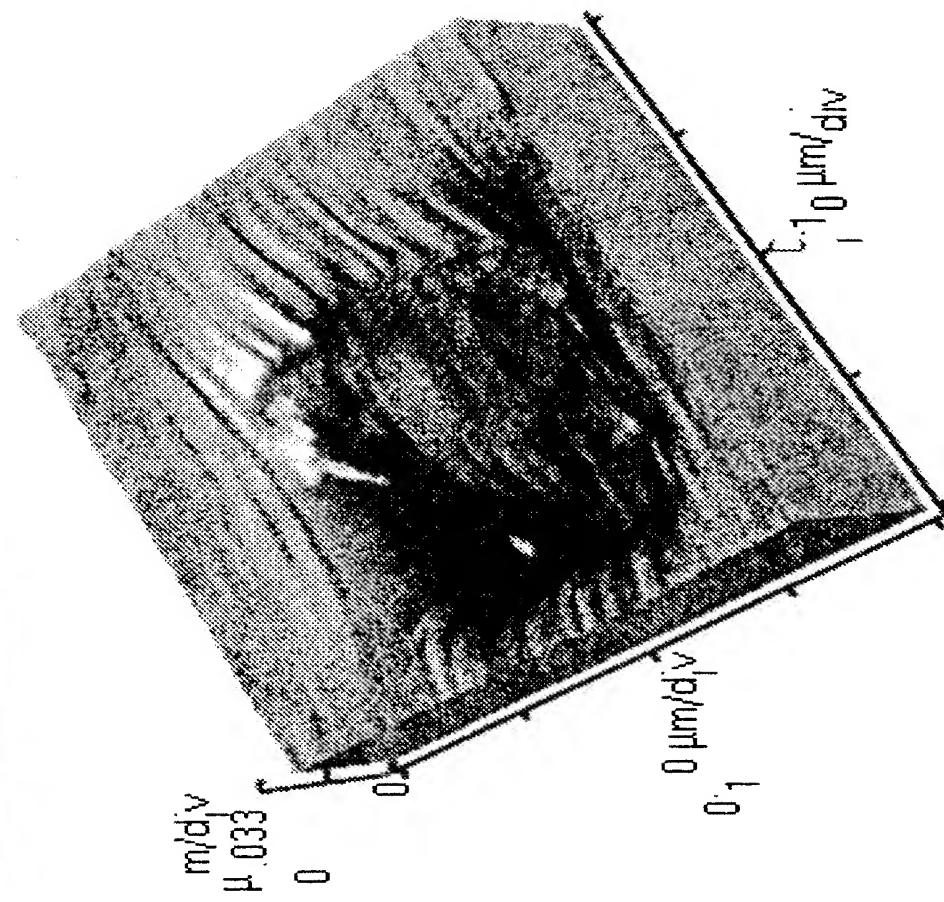


Figure 21